

vars normally have a colloquial name (in this case it might be 'Duff'), they may have a Latin name providing that there was one published prior to 1959. Since it was treated by Morton as *ev. Duffii* in 1958, the Latin is established as the correct form. ROLLA TRYON, *Gray Herbarium, Harvard University*.

THREE FRONDS OF *BOTRYCHIUM OBLIQUUM*.—It is possible that the accompanying illustration and comments may add a bit to the present confusion about the *Botrychium dissectum* complex.

With too much dependence on leaf-form in the separation of this genus into species, and the endless variation within the present limitation of the species (I have a specimen of *B. dissectum* with no part of the lacy frond more than 1 mm. in width), there is small reason to be over confident in one's conclusions.

The top specimen in the illustration (Pl. 8) was a plant collected, deeply bronzed, in December in the Sourland Mountains, near Hopewell, New Jersey, and placed in a terrarium with other plants. About March 15th the growth of a new frond appeared. On April 10th the plant was transferred to a planting out of doors. The new frond was then 4 inches long. A third frond appeared about June 10th, and all three fronds grew together, on the one plant, until they were collected and pressed in November. The second growth (March 15th) is at the bottom right, the third (June 10th) at bottom left, and the one on the plant in December when the plant was taken from the wild, is at the top of the illustration.

With only a little imagination, the second growth (lower right) could be called *B. silaifolium*, or considered a variety of one of its many relatives. I draw no conclusions, but leave the photograph of the three fronds to the close consideration of pteridological ecologists.—W. L. DIX, 801 Crown Street, Morrisville, Penn.





"A" was collected when fronds were colored, and placed in a terrarium. It was taken from the terrarium about April 19th when frond "B" was about 1/2 grown. Long fronds had begun about May 15th. It grew out of spore all summer with succeeding frond "C" which started about June 15th. All three fronds were collected in November.

The Academy of Natural Sciences of Philadelphia

NEW JERSEY

Herbarium

*Botrychium obliquum* Schreb.

Many fronds in the herbarium

Herbarium

William L. G.

THREE FRONDS FROM SINGLE PLANT OF BOTRYCHIMUM OBLIQUUM